

PRIOR ART

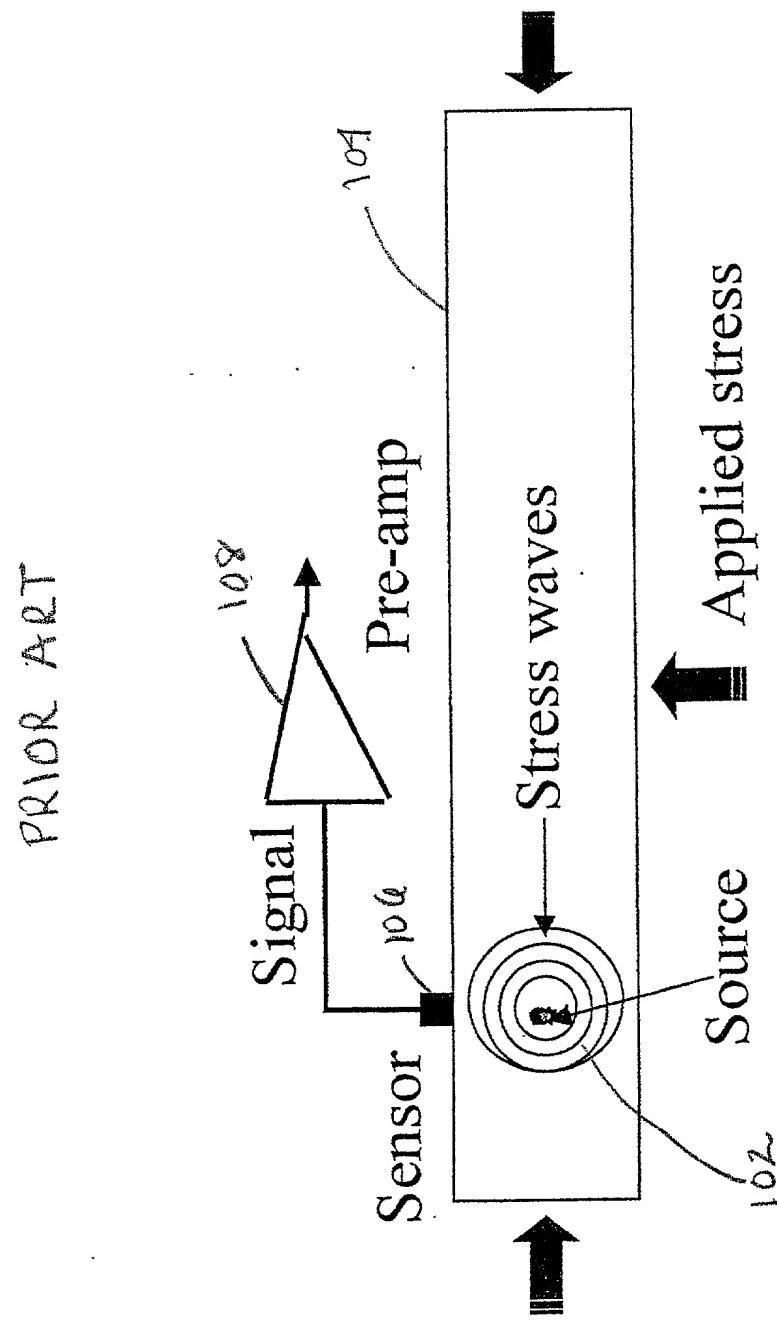


FIGURE 1

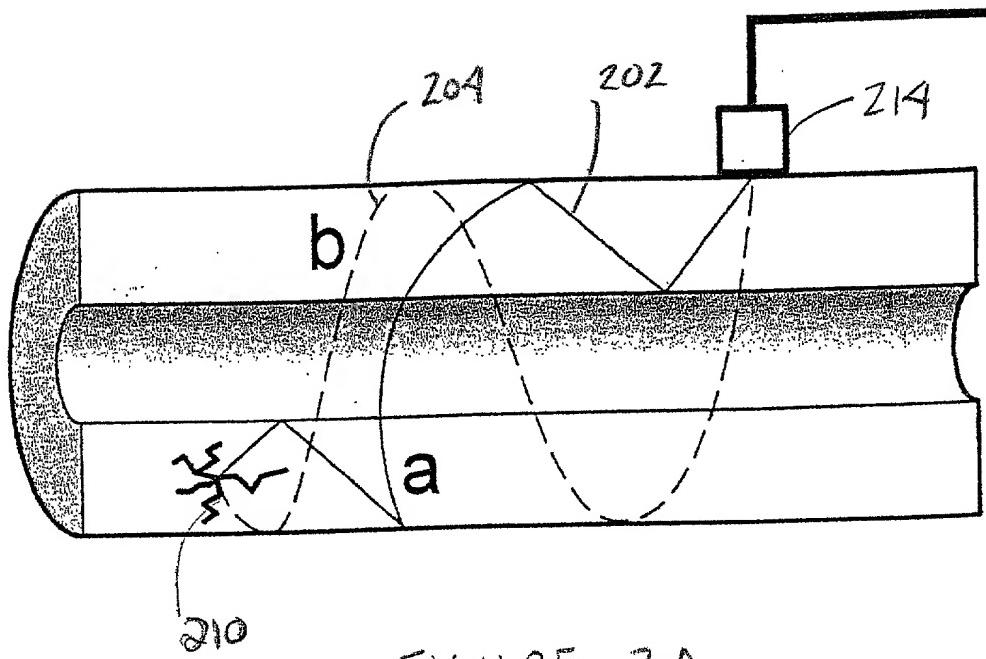


FIGURE 2A

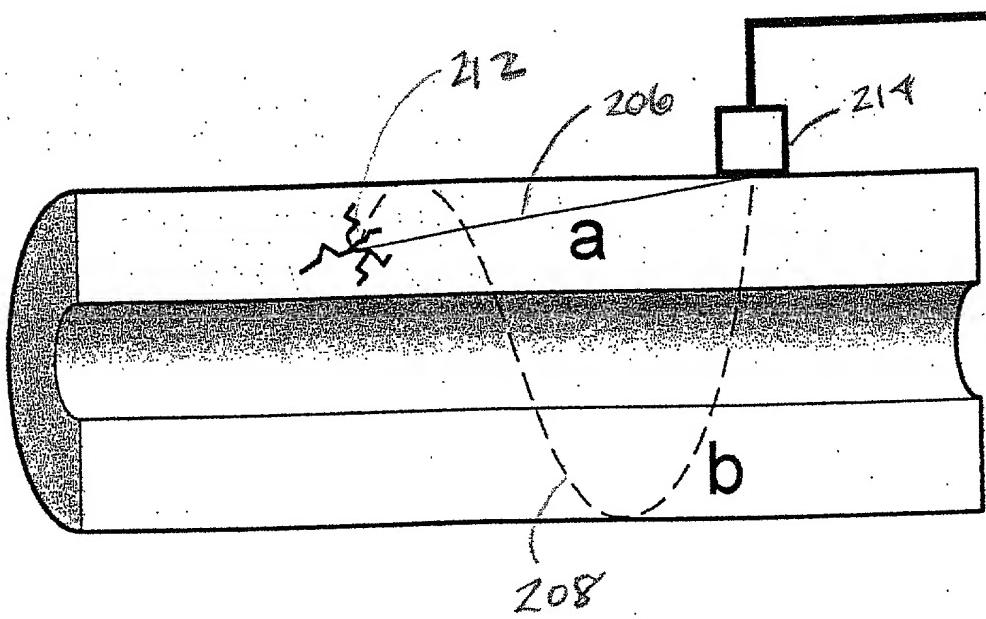
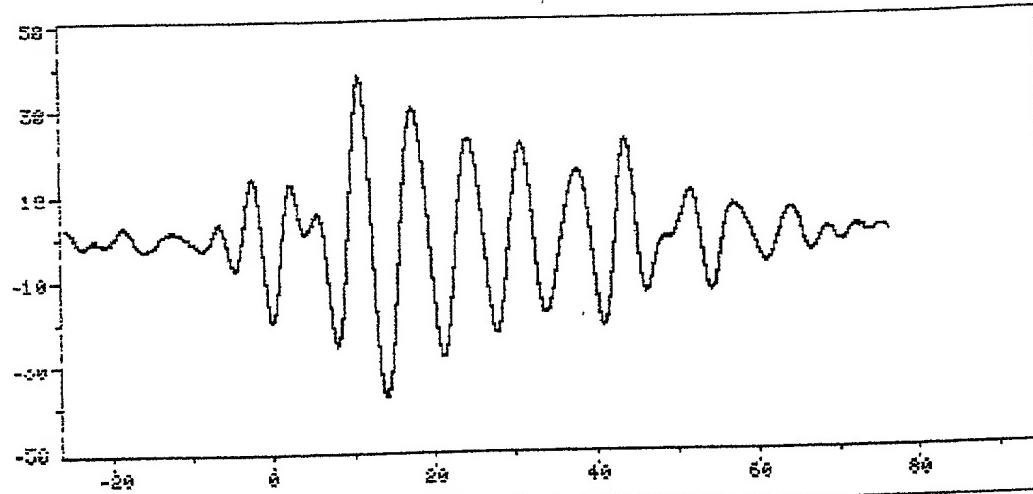


FIGURE 2B

WAVEFORM(mV) vs TIME(usec)



WAVEFORM(mV) vs TIME(usec)

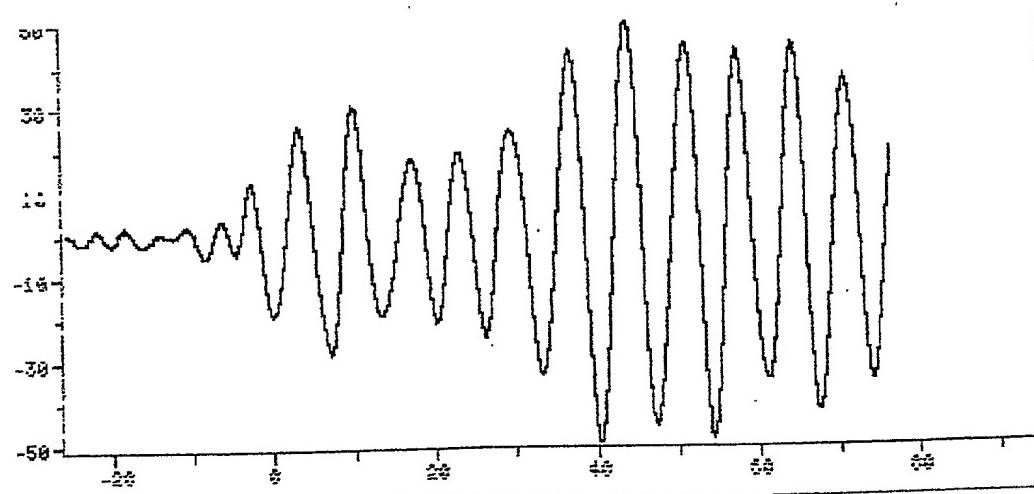


FIGURE 3

FIGURE 4

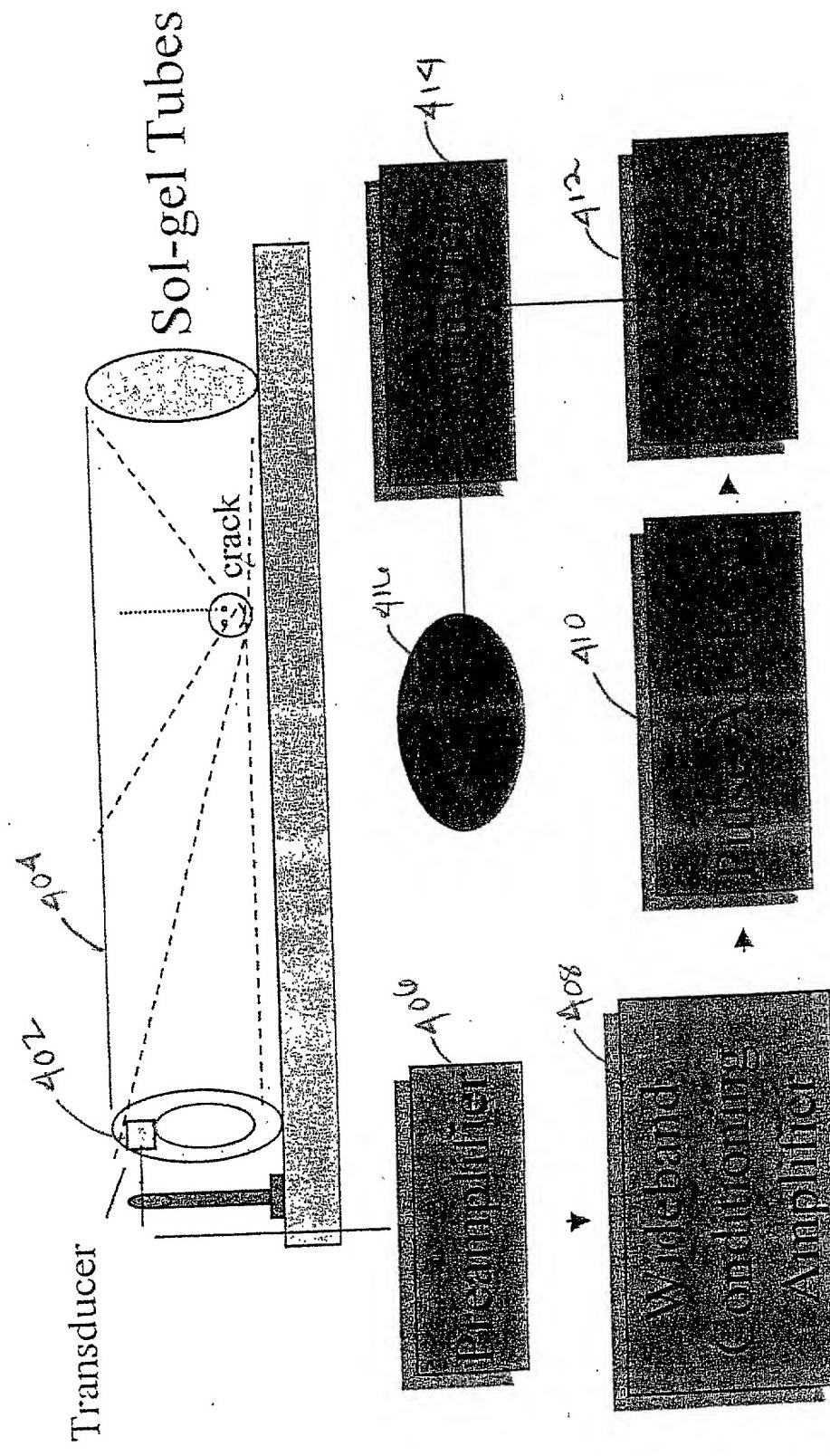
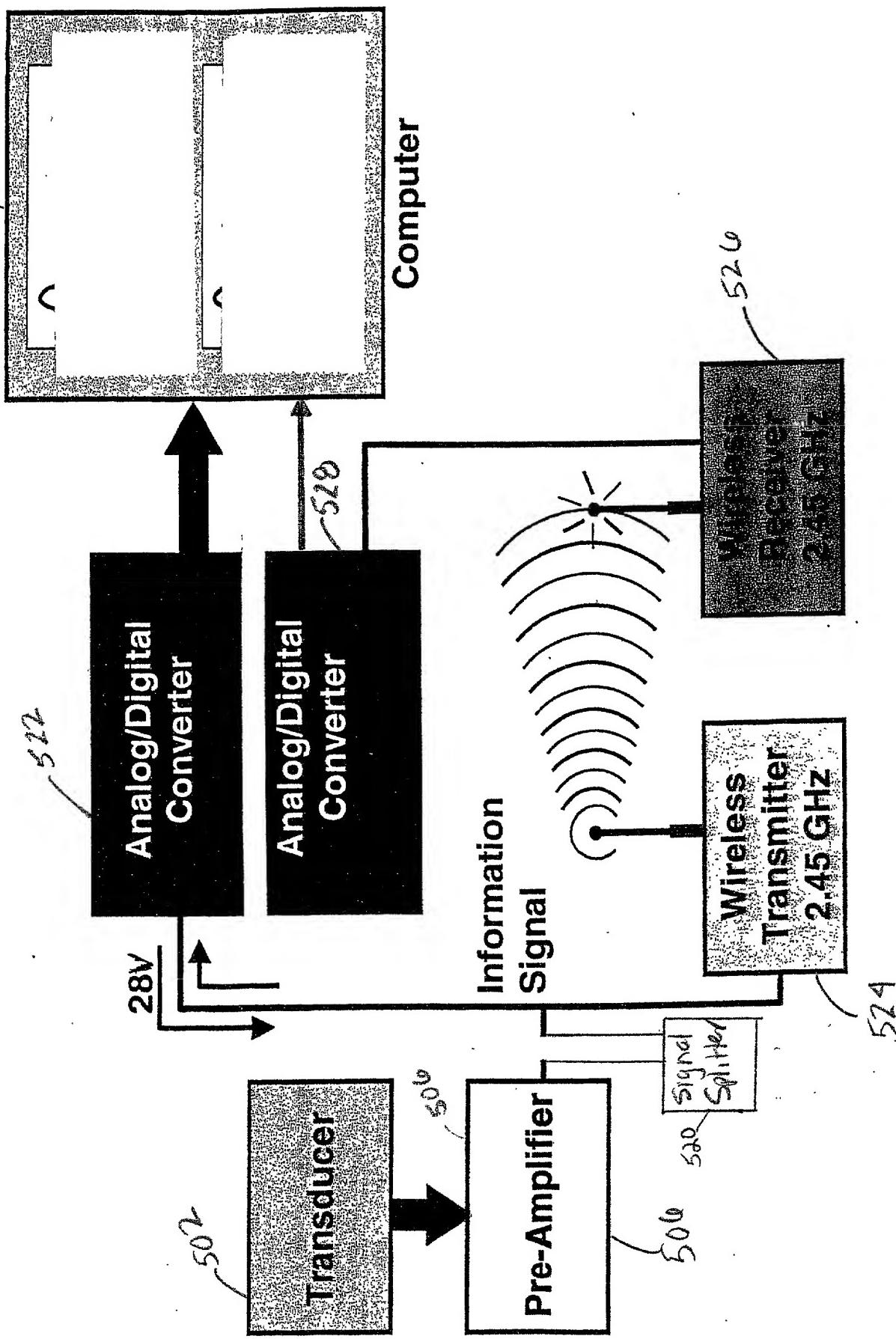


FIGURE 5



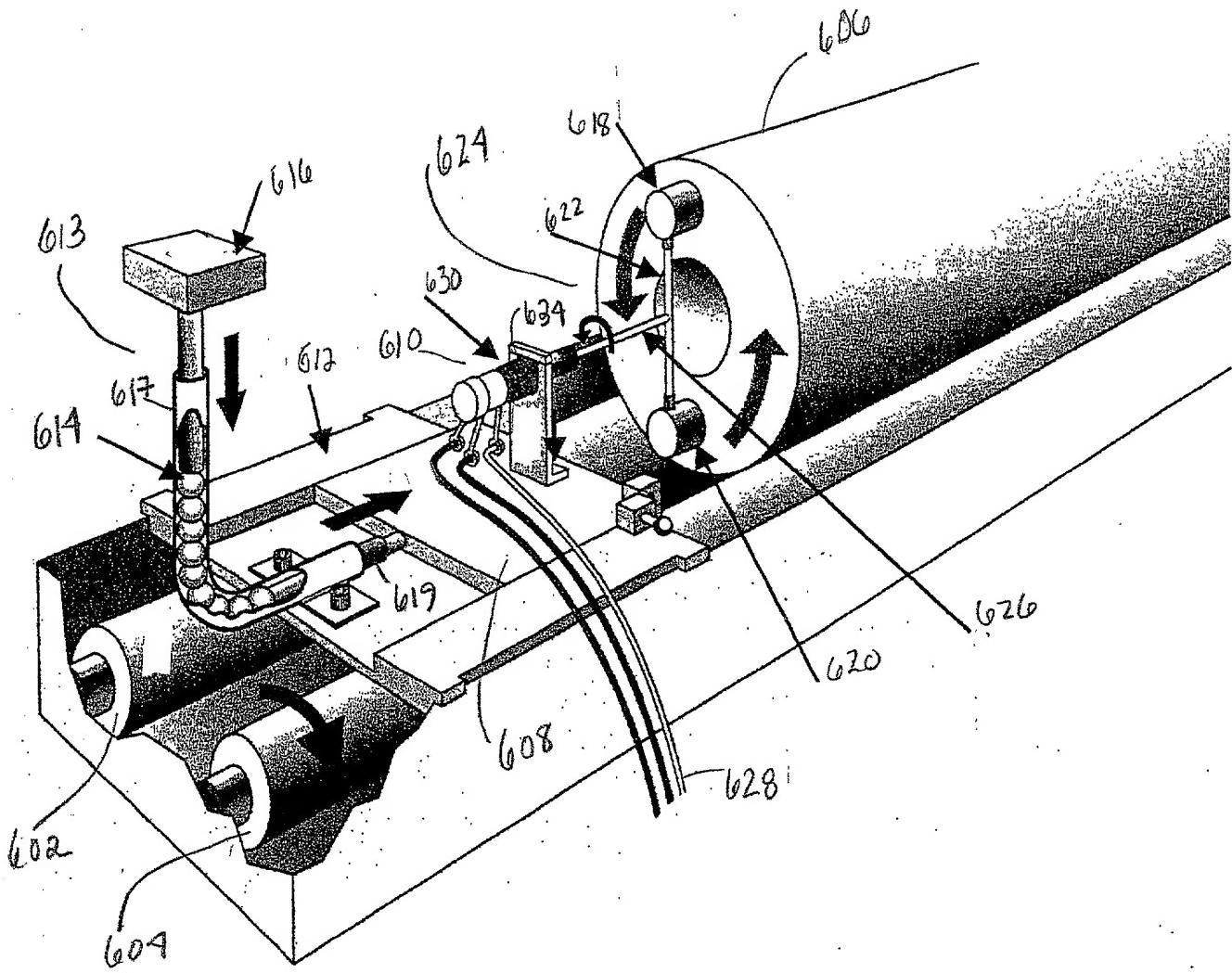


FIGURE 6

Proposed AE Implementation -

Non-contact

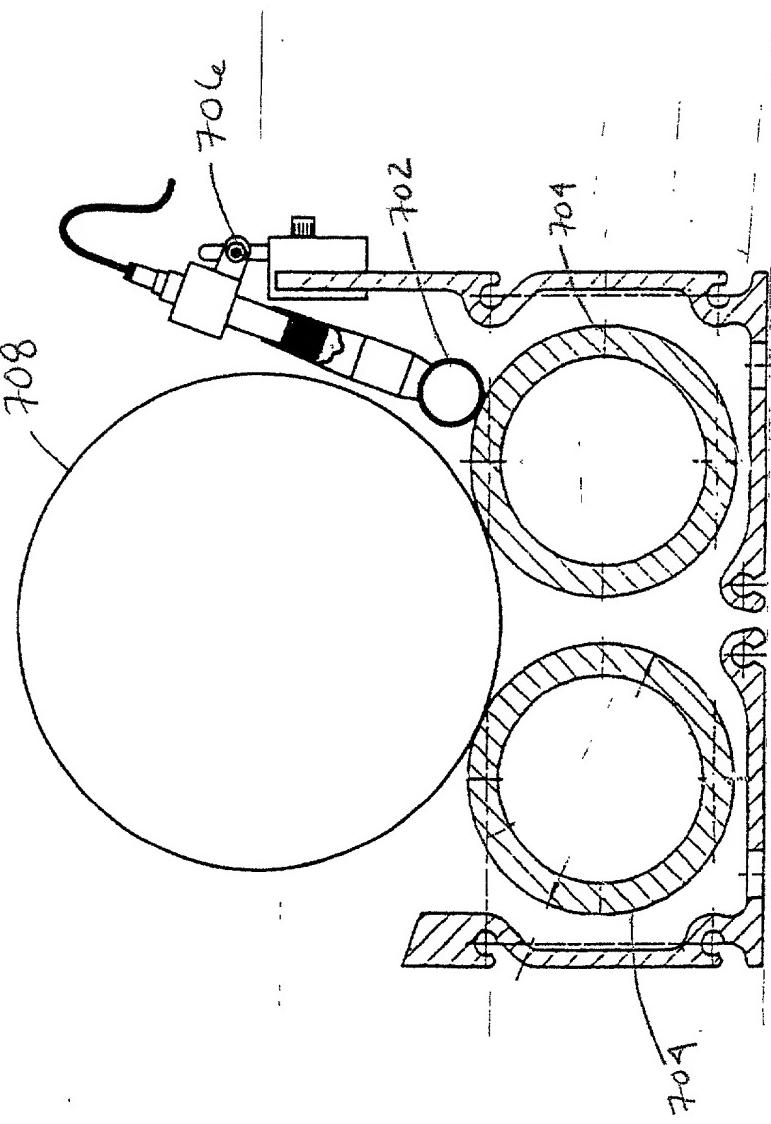


FIGURE 7

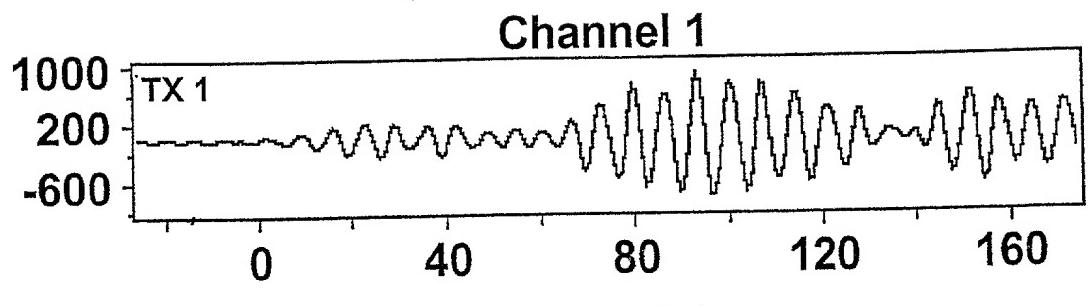


FIG. 8a

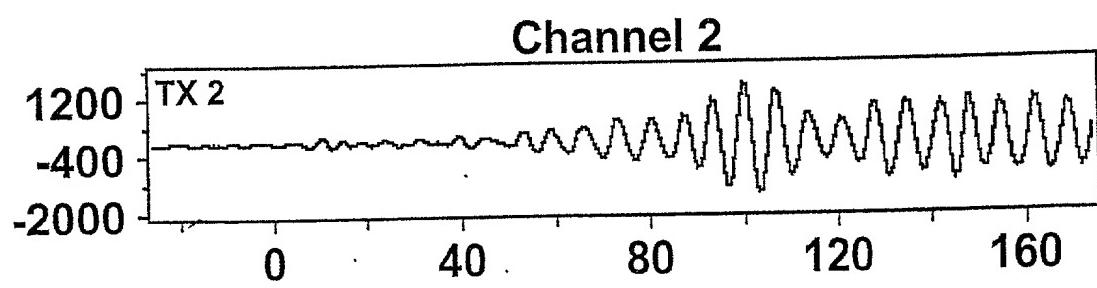


FIG. 8b

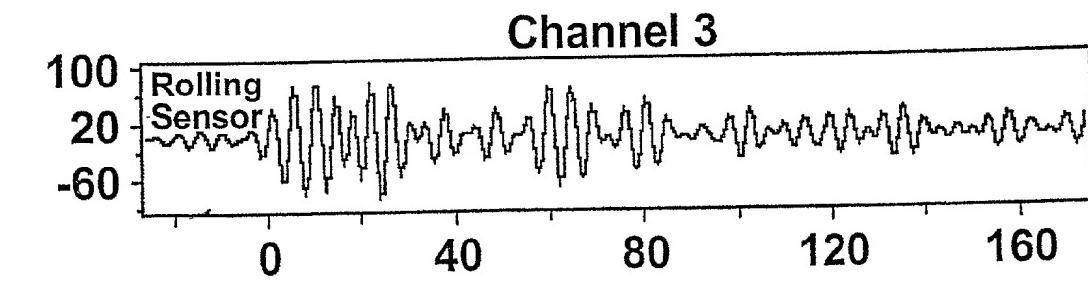


FIG. 8c

WAVEFORM(mV) vs TIME(usec)

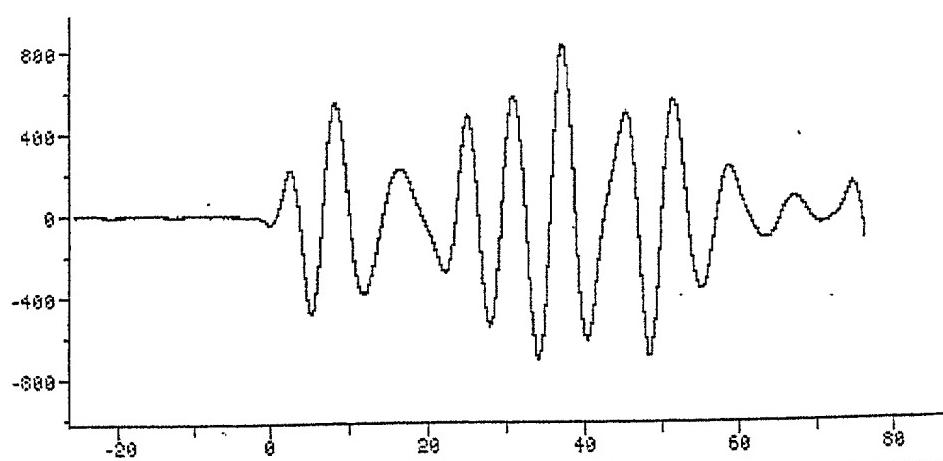


FIG.
9a

WAVEFORM(mV) vs TIME(usec)

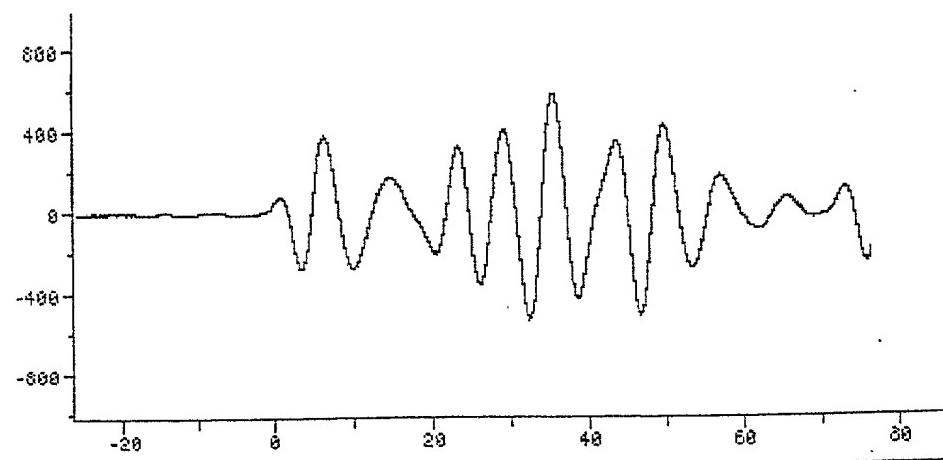


FIG.
9b

FIGURE 10

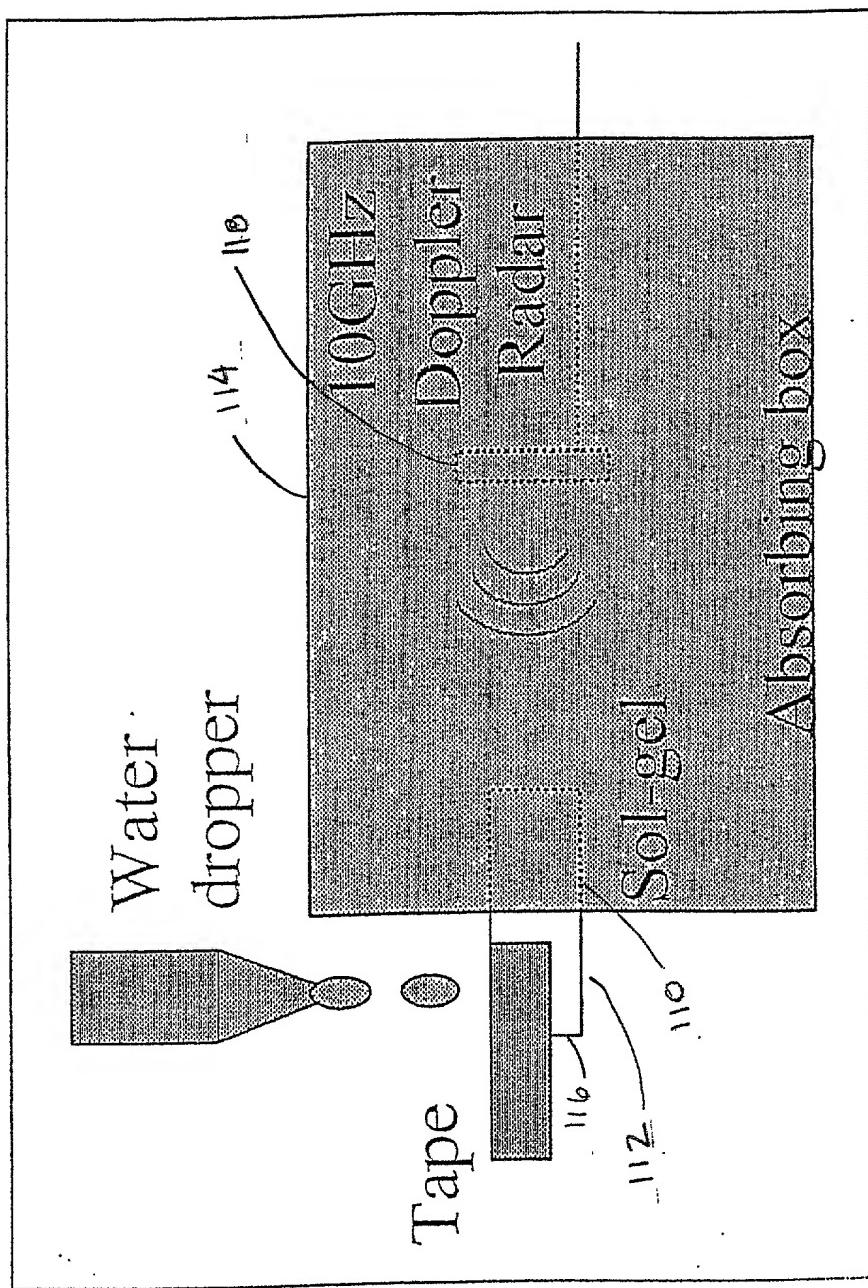
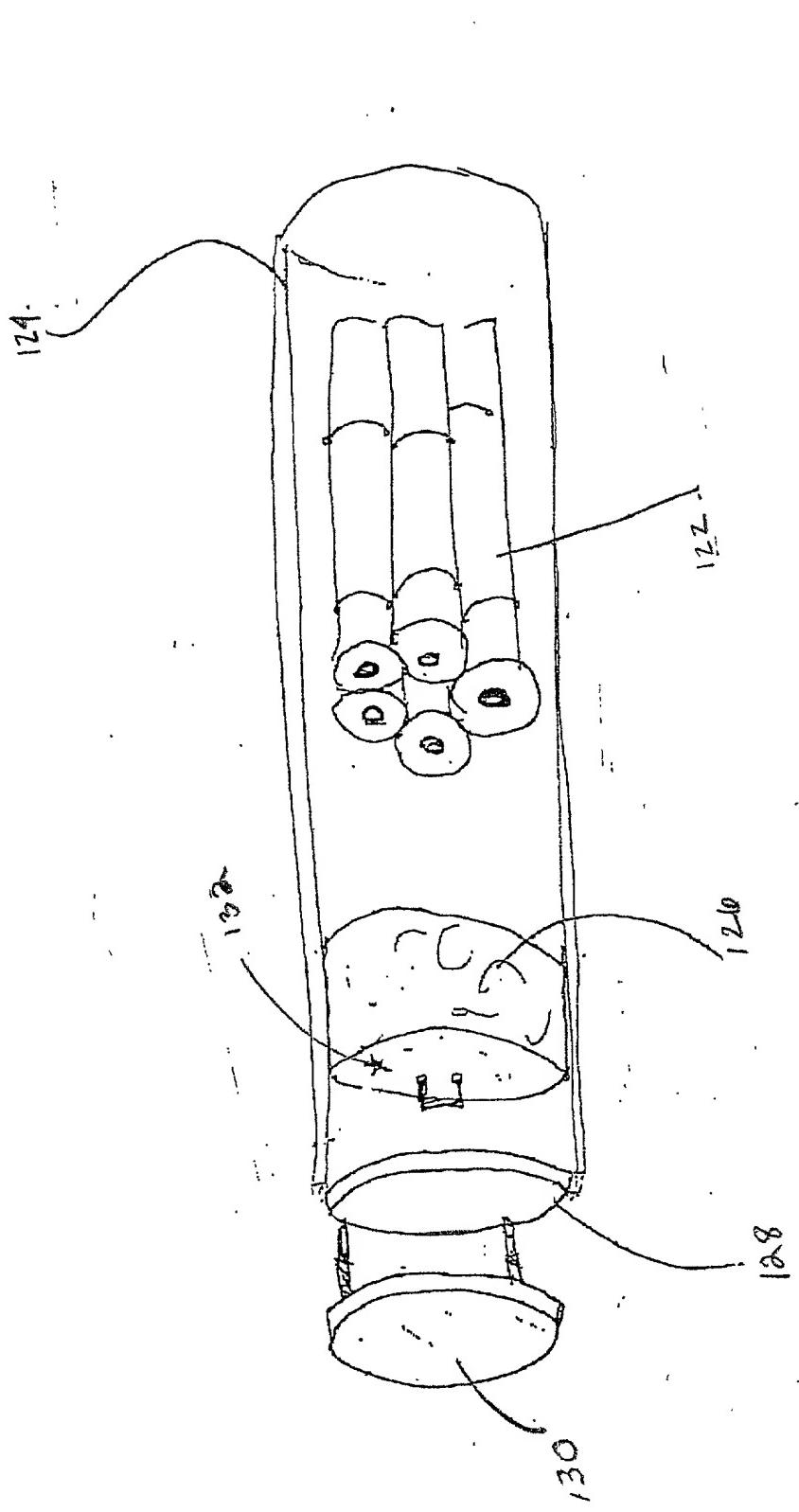


FIGURE 11



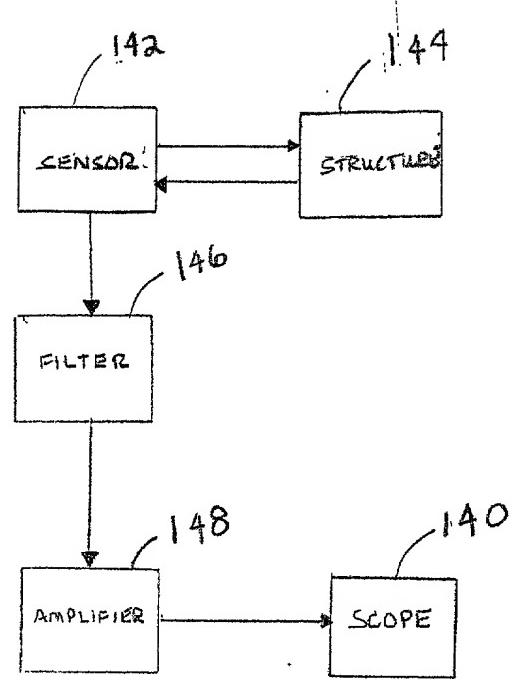


FIGURE 12